

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/530,106
Source: PG/10
Date Processed by STIC: 4/12/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05



PCT

RAW SEQUENCE LISTING

DATE: 04/12/2005

PATENT APPLICATION: US/10/530,106

TIME: 10:20:31

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04122005\J530106.raw

5 <110> APPLICANT: Hooft Van Huijsduijnen, Rob
 6 Walchli, Sebastien
 9 <120> TITLE OF INVENTION: Use of protein tyrosine phosphatase inhibitors for prevention and/or

10 treatment of cancer

14 <130> FILE REFERENCE: SLII-P01-003

C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/530,106

C--> 17 <141> CURRENT FILING DATE: 2005-04-01

17 <160> NUMBER OF SEQ ID NOS: 34

21 <170> SOFTWARE: PatentIn version 3.1

25 <210> SEQ ID NO: 1

27 <211> LENGTH: 1115

29 <212> TYPE: PRT

31 <213> ORGANISM: Homo sapiens

35 <400> SEQUENCE: 1

37 Met Ala Gly Ala Gly Gly Gly Leu Gly Val Trp Gly Asn Leu Val Leu

38 1 5 10 15

41 Leu Gly Leu Cys Ser Trp Thr Gly Ala Arg Ala Pro Ala Pro Asn Pro

42 20 25 30

45 Gly Arg Asn Leu Thr Val Glu Thr Gln Thr Thr Ser Ser Ile Ser Leu

46 35 40 45

49 Ser Trp Glu Val Pro Asp Gly Leu Asp Ser Gln Asn Ser Asn Tyr Trp

50 50 55 60

53 Val Gln Cys Thr Gly Asp Gly Gly Thr Thr Glu Thr Arg Asn Thr Thr

54 65 70 75 80

57 Ala Thr Asn Val Thr Val Asp Gly Leu Gly Pro Gly Ser Leu Tyr Thr

58 85 90 95

61 Cys Ser Val Trp Val Glu Lys Asp Gly Val Asn Ser Ser Val Gly Thr

62 100 105 110

65 Val Thr Thr Ala Thr Ala Pro Asn Pro Val Arg Asn Leu Arg Val Glu

66 115 120 125

69 Ala Gln Thr Asn Ser Ser Ile Ala Leu Thr Trp Glu Val Pro Asp Gly

70 130 135 140

73 Pro Asp Pro Gln Asn Ser Thr Tyr Gly Val Glu Tyr Thr Gly Asp Gly

74 145 150 155 160

77 Gly Arg Ala Gly Thr Arg Ser Thr Ala His Thr Asn Ile Thr Val Asp

78 165 170 175

81 Gly Leu Glu Pro Gly Cys Leu Tyr Ala Phe Ser Met Trp Val Gly Lys

82 180 185 190

85 Asn Gly Ile Asn Ser Ser Arg Glu Thr Arg Asn Ala Thr Thr Ala His

86 195 200 205

89 Asn Pro Val Arg Asn Leu Arg Val Glu Ala Gln Thr Thr Ser Ser Ile

90 210 215 220

93 Ser Leu Ser Trp Glu Val Pro Asp Gly Thr Asp Pro Gln Asn Ser Thr

**Does Not Comply
Corrected Diskette Needed**

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Input Set : A:\pto.da.txt

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94 225                230                235                240
97 Tyr Cys Ile Gln Cys Thr Gly Asp Gly Gly Arg Thr Glu Thr Arg Asn
98                245                250                255
101 Thr Thr Asp Thr Arg Val Thr Val Asp Gly Leu Gly Pro Gly Ser Leu
102                260                265                270
105 Tyr Thr Cys Ser Val Trp Val Glu Lys Asp Gly Val Asn Ser Ser Val
106                275                280                285
109 Glu Ile Val Thr Ser Thr Thr Ala Pro Asn Pro Val Arg Asn Leu Thr
110                290                295                300
113 Val Glu Ala Gln Thr Asn Ser Ser Ile Ala Leu Thr Trp Glu Val Pro
114 305                310                315                320
117 Asp Gly Pro Asp Pro Gln Asn Ser Thr Tyr Gly Val Glu Tyr Thr Gly
118                325                330                335
121 Asp Gly Gly Arg Ala Gly Thr Arg Ser Thr Ala His Thr Asn Ile Thr
122                340                345                350
125 Val Asp Arg Leu Glu Pro Gly Cys Leu Tyr Val Phe Ser Val Trp Val
126                355                360                365
131 Gly Lys Asn Gly Ile Asn Ser Ser Arg Glu Thr Arg Asn Ala Thr Thr
132                370                375                380
135 Ala Pro Asn Pro Val Arg Asn Leu His Met Glu Thr Gln Thr Asn Ser
136 385                390                395                400
139 Ser Ile Ala Leu Cys Trp Glu Val Pro Asp Gly Pro Tyr Pro Gln Asp
140                405                410                415
143 Tyr Thr Tyr Trp Val Glu Tyr Thr Gly Asp Gly Gly Gly Thr Glu Thr
144                420                425                430
147 Arg Asn Thr Thr Asn Thr Ser Val Thr Ala Glu Arg Leu Glu Pro Gly
148                435                440                445
151 Thr Leu Tyr Thr Phe Ser Val Trp Ala Glu Lys Asn Gly Ala Arg Gly
152                450                455                460
155 Ser Arg Gln Asn Val Ser Ile Ser Thr Val Pro Asn Ala Val Thr Ser
156 465                470                475                480
159 Leu Ser Lys Gln Asp Trp Thr Asn Ser Thr Ile Ala Leu Arg Trp Thr
160                485                490                495
163 Ala Pro Gln Gly Pro Gly Gln Ser Ser Tyr Ser Tyr Trp Val Ser Trp
164                500                505                510
167 Val Arg Glu Gly Met Thr Asp Pro Arg Thr Gln Ser Thr Ser Gly Thr
168                515                520                525
171 Asp Ile Thr Leu Lys Glu Leu Glu Ala Gly Ser Leu Tyr His Leu Thr
172                530                535                540
175 Val Trp Ala Glu Arg Asn Glu Val Arg Gly Tyr Asn Ser Thr Leu Thr
176 545                550                555                560
179 Ala Ala Thr Ala Pro Asn Glu Val Thr Asp Leu Gln Asn Glu Thr Gln
180                565                570                575
183 Thr Lys Asn Ser Val Met Leu Trp Trp Lys Ala Pro Gly Asp Pro His
184                580                585                590
187 Ser Gln Leu Tyr Val Tyr Trp Val Gln Trp Ala Ser Lys Gly His Pro
188                595                600                605
191 Arg Arg Gly Gln Asp Pro Gln Ala Asn Trp Val Asn Gln Thr Ser Arg
192                610                615                620

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195 Thr Asn Glu Thr Trp Tyr Lys Val Glu Ala Leu Glu Pro Gly Thr Leu
196 625                      630                      635                      640
199 Tyr Asn Phe Thr Val Trp Ala Glu Arg Asn Asp Val Ala Ser Ser Thr
200                      645                      650                      655
203 Gln Ser Leu Cys Ala Ser Thr Tyr Pro Asp Thr Val Thr Ile Thr Ser
204                      660                      665                      670
207 Cys Val Ser Thr Ser Ala Gly Tyr Gly Val Asn Leu Ile Trp Ser Cys
208                      675                      680                      685
211 Pro Gln Gly Gly Tyr Glu Ala Phe Glu Leu Glu Val Gly Gly Gln Arg
212 690                      695                      700
215 Gly Ser Gln Asp Arg Ser Ser Cys Gly Glu Ala Val Ser Val Leu Gly
216 705                      710                      715                      720
219 Leu Gly Pro Ala Arg Ser Tyr Pro Ala Thr Ile Thr Thr Ile Trp Asp
220                      725                      730                      735
223 Gly Met Lys Val Val Ser His Ser Val Val Cys His Thr Glu Ser Ala
224                      740                      745                      750
227 Gly Val Ile Ala Gly Ala Phe Val Gly Ile Leu Leu Phe Leu Ile Leu
228                      755                      760                      765
231 Val Gly Leu Leu Ile Phe Phe Leu Lys Arg Arg Asn Lys Lys Lys Gln
232 770                      775                      780
235 Gln Lys Pro Glu Leu Arg Asp Leu Val Phe Ser Ser Pro Gly Asp Ile
236 785                      790                      795                      800
239 Pro Ala Glu Asp Phe Ala Asp His Val Arg Lys Asn Glu Arg Asp Ser
240                      805                      810                      815
243 Asn Cys Gly Phe Ala Asp Glu Tyr Gln Gln Leu Ser Leu Val Gly His
244                      820                      825                      830
247 Ser Gln Ser Gln Met Val Ala Ser Ala Ser Glu Asn Asn Ala Lys Asn
248                      835                      840                      845
251 Arg Tyr Arg Asn Val Leu Pro Tyr Asp Trp Ser Arg Val Pro Leu Lys
252 850                      855                      860
255 Pro Ile His Glu Glu Pro Gly Ser Asp Tyr Ile Asn Ala Ser Phe Met
256 865                      870                      875                      880
259 Pro Gly Leu Trp Ser Pro Gln Glu Phe Ile Ala Thr Gln Gly Pro Leu
260                      885                      890                      895
263 Pro Gln Thr Val Gly Asp Phe Trp Arg Leu Val Trp Glu Gln Gln Ser
264                      900                      905                      910
267 His Thr Leu Val Met Leu Thr Asn Cys Met Glu Ala Gly Arg Val Lys
268                      915                      920                      925
271 Cys Glu His Tyr Trp Pro Leu Asp Ser Gln Pro Cys Thr His Gly His
272 930                      935                      940
275 Leu Arg Val Thr Leu Val Gly Glu Glu Val Met Glu Asn Trp Thr Val
276 945                      950                      955                      960
279 Arg Glu Leu Leu Leu Gln Val Glu Glu Gln Lys Thr Leu Ser Val
280                      965                      970                      975
283 Arg Gln Phe His Tyr Gln Ala Trp Pro Asp His Gly Val Pro Ser Ser
284                      980                      985                      990
287 Pro Asp Thr Leu Leu Ala Phe Trp Arg Met Leu Arg Gln Trp Leu Asp
288 995                      1000                      1005
291 Gln Thr Met Glu Gly Gly Pro Pro Ile Val His Cys Ser Ala Gly

```

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```

292      1010                      1015                      1020
295 Val Gly  Arg Thr Gly Thr Leu  Ile Ala Leu Asp Val  Leu Leu Arg
296      1025                      1030                      1035
299 Gln Leu  Gln Ser Glu Gly Leu  Leu Gly Pro Phe Ser  Phe Val Arg
300      1040                      1045                      1050
303 Lys Met  Arg Glu Ser Arg Pro  Leu Met Val Gln Thr  Glu Ala Gln
304      1055                      1060                      1065
307 Tyr Val  Phe Leu His Gln Cys  Ile Leu Arg Phe Leu  Gln Gln Ser
308      1070                      1075                      1080
311 Ala Gln  Ala Pro Ala Glu Lys  Glu Val Pro Tyr Glu  Asp Val Glu
312      1085                      1090                      1095
315 Asn Leu  Ile Tyr Glu Asn Val  Ala Ala Ile Gln Ala  His Lys Leu
316      1100                      1105                      1110
319 Glu Val
320      1115
323 <210> SEQ ID NO: 2
325 <211> LENGTH: 20
327 <212> TYPE: DNA
329 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
335 <223> OTHER INFORMATION: Primer
337 <400> SEQUENCE: 2
338 ccagctcacc atggatgatg                                     20
341 <210> SEQ ID NO: 3
343 <211> LENGTH: 22
345 <212> TYPE: DNA
347 <213> ORGANISM: Artificial Sequence
351 <220> FEATURE:
353 <223> OTHER INFORMATION: Primer
355 <400> SEQUENCE: 3
356 ccttaatgtc acgcacgatt tc                                   22
359 <210> SEQ ID NO: 4
361 <211> LENGTH: 20
363 <212> TYPE: DNA
365 <213> ORGANISM: Artificial Sequence
369 <220> FEATURE:
371 <223> OTHER INFORMATION: Primer
373 <400> SEQUENCE: 4
374 catgctgacc aactgcatgg                                     20
377 <210> SEQ ID NO: 5
379 <211> LENGTH: 20
381 <212> TYPE: DNA
383 <213> ORGANISM: Artificial Sequence
387 <220> FEATURE:
389 <223> OTHER INFORMATION: Primer
391 <400> SEQUENCE: 5
392 gcgagtccag aggccagtaa                                     20
395 <210> SEQ ID NO: 6
397 <211> LENGTH: 20

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RAW SEQUENCE LISTING

DATE: 04/12/2005

PATENT APPLICATION: US/10/530,106

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Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04122005\J530106.raw

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399 <212> TYPE: DNA
401 <213> ORGANISM: Artificial Sequence
405 <220> FEATURE:
407 <223> OTHER INFORMATION: Primer
409 <400> SEQUENCE: 6
410 gcgagtccag aggccagtaa                20
413 <210> SEQ ID NO: 7
415 <211> LENGTH: 20
417 <212> TYPE: DNA
419 <213> ORGANISM: Artificial Sequence
423 <220> FEATURE:
425 <223> OTHER INFORMATION: Primer
427 <400> SEQUENCE: 7
428 catgctgacc aactgcatgg                20
431 <210> SEQ ID NO: 8
433 <211> LENGTH: 22
435 <212> TYPE: DNA
437 <213> ORGANISM: Artificial Sequence
441 <220> FEATURE:
443 <223> OTHER INFORMATION: Primer
445 <400> SEQUENCE: 8
446 gatgggattt ccattgatga ca            22
449 <210> SEQ ID NO: 9
451 <211> LENGTH: 18
453 <212> TYPE: DNA
455 <213> ORGANISM: Artificial Sequence
459 <220> FEATURE:
461 <223> OTHER INFORMATION: Primer
463 <400> SEQUENCE: 9
464 ccacccatgg caaattcc                18
467 <210> SEQ ID NO: 10
469 <211> LENGTH: 21
471 <212> TYPE: DNA
473 <213> ORGANISM: Artificial Sequence
477 <220> FEATURE:
479 <223> OTHER INFORMATION: Primer
481 <400> SEQUENCE: 10
482 cctagtccca gggctttgat t            21
485 <210> SEQ ID NO: 11
487 <211> LENGTH: 22
489 <212> TYPE: DNA
491 <213> ORGANISM: Artificial Sequence
495 <220> FEATURE:
497 <223> OTHER INFORMATION: Primer
499 <400> SEQUENCE: 11
500 ctgtgctccc actcctgatt tc            22
503 <210> SEQ ID NO: 12
505 <211> LENGTH: 13
507 <212> TYPE: PRT

```

10/530,106 6

<210> 32

<211> 20

<212> DNA

<213> Artificial sequence

needs explanation - see p. 7

<400> 32

gcgcgctagc cacttcggaa

20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/530,106

DATE: 04/12/2005
TIME: 10:20:32

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04122005\J530106.raw

error explanation
Use of <220> Feature(NEW RULES):

Sequence(s) are missing the <220> Feature and associated headings.

Use of <220> to <223> is MANDATORY if <213> ORGANISM is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section (See "Federal Register," 6/01/98, Vol. 63, No. 104, pp.29631-32) (Sec.1.823 of new Rules)

Seq#:32

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/530,106

DATE: 04/12/2005

TIME: 10:20:32

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\04122005\J530106.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:879 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ#:32, <213>
ORGANISM:Artificial sequence
L:879 M:258 W: Mandatory Feature missing, <223> Tag not found for SEQ#:32, <213>
ORGANISM:Artificial sequence
L:879 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:32,Line#:879